

Amendments to the Claims

1. (Currently amended) A casting mould formed of base (2), wall (4,5) and end plates (6) for manufacturing of a pyrometallurgical reactor cooling element, ~~characterized in that~~ the casting mould (1) made of copper plates is at least partly equipped with cooling pipes, (3) ~~and that the mould is being lined on the inside with a plate (7)~~ plates resistant to high temperatures, the plates resistant to high temperatures being fixed to the surface of the mould by means of underpressure.

2. (Currently amended) A casting mould according to claim 1, ~~characterized in that~~ wherein the casting mould (1) is lined with plates resistant to high temperatures are graphite plates (7).

3. (Cancelled)

4. (Currently amended) A casting mould according to claim 1 ~~characterized in that~~ wherein shaped pieces (9) made of graphite or fire-resistant material are placed on the base of the casting mould (1).

5. (Cancelled)

6. (Cancelled)

---7. (New) The casting mould according to claim 1, wherein said cooling pipes are arranged within a base plate of the casting mould to provide cooling of the casting mould.---

---8. (New) The casting mould according to claim 7, wherein said cooling pipes are additionally arranged within side and end walls of the casting mould to provide cooling of the casting mould.---

---9. (New) The casting mould according to claim 1, further comprising a cope to retain a layer of shielding gas over the surface of the mould, which layer prevents excessive oxidation of molten material when the molten material is poured into the mould.---

al ---10. (New) The casting mould according to claim 1, further comprising inserts placed into the cavity of the mould, the inserts being resistant to high temperatures and serving to create a corresponding negative shape in the cooling element to be cast.---
